

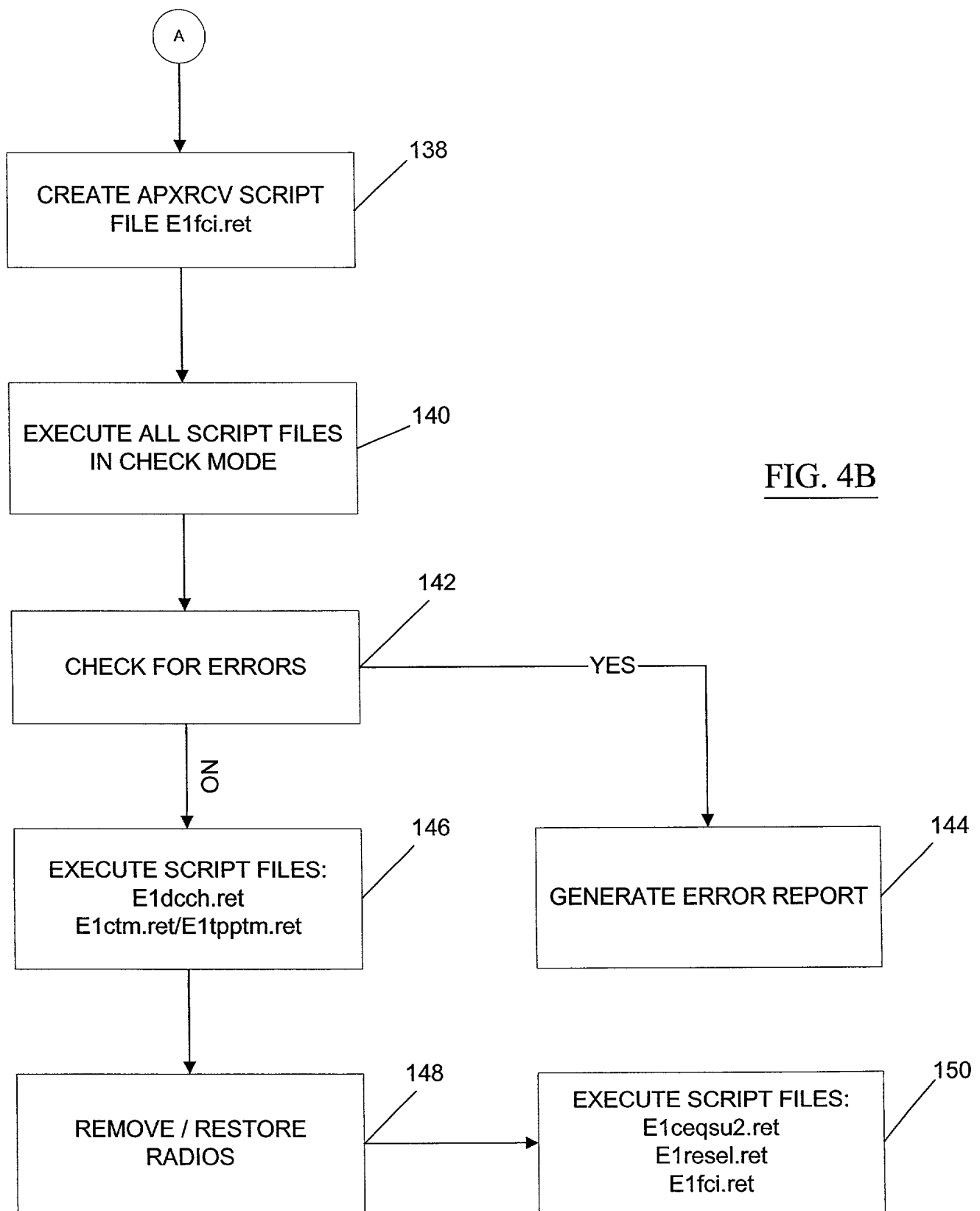
FIG. 3

```

graph TD
    122[RF FREQUENCY GROUP  
GENERATES DATA FILES] --> 124[DATA FILES INPUT TO MAIN  
PROGRAM]
    124 --> 126[CREATE FILES:  
ctmret.i  
tpptmret.i  
dcchret.i  
dcchrad.i  
ceqsuret.i  
reselret.i  
fciret.i]
    126 --> 128[SEND FILE dcchrad.i TO ECP]
    128 --> 130[CREATE APXRCV SCRIPT  
FILES:  
E1dcch.ret  
E1ctm.ret/E1tppt.ret]
    130 --> 132[CHECK FOR PCS  
SYSTEM]
    132 -- NO --> 134[CREATE APXRCV  
SCRIPT FILE  
E1ceqsu.ret]
    132 -- YES --> 136[CREATE APXRCV  
SCRIPT FILE  
E1resel.ret]
    134 --> 136
    136 --> A((A))

```

FIG. 4A



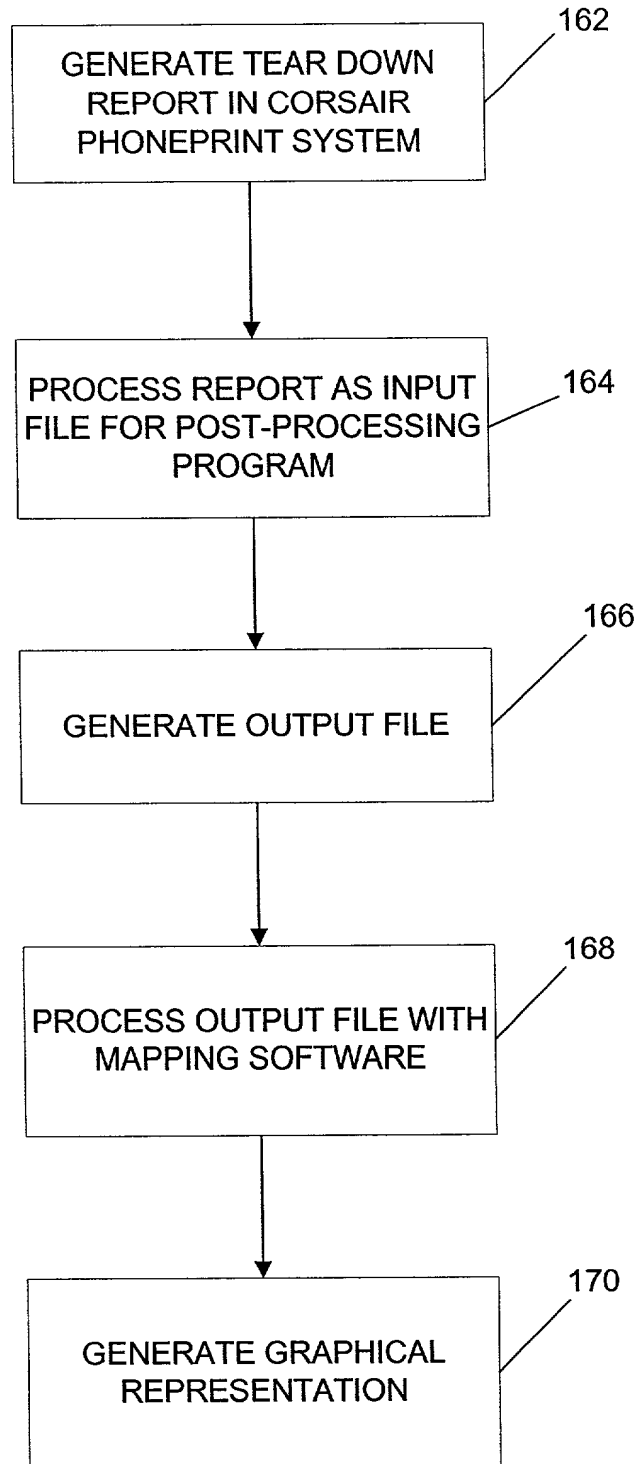


FIG. 5

>pg pp9912.txt

Date	Time(2)	Site_ID	MIN(1)	Dialed_Digits	Tear-Down_Reason	
12/25/99	19:26:09		20	2012075854	12014981322	MFG
12/23/99	14:56:20		219	2012075854	5617767114	MFG
12/26/99	21:40:32		167	2012130072	19547814445	MFG
12/23/99	19:06:49		82	2012134416	9544289147	MFG
12/23/99	19:06:23		82	2012134416	9544289147	MFG
12/25/99	17:23:55		82	2012134416	9544285083	MFG
12/25/99	15:06:20		82	2012134416	2015680907	MFG
12/25/99	13:04:16		82	2012134416	2015680907	MFG
12/25/99	13:04:05		82	2012134416	2015680907	MFG
12/25/99	13:03:53		82	2012134416	2015680907	MFG
12/25/99	13:03:31		82	2012134416	2015680907	MFG
12/25/99	13:01:49		82	2012134416	2015680907	MFG
12/25/99	12:53:38		82	2012134416	2015680907	MFG
12/25/99	12:52:32		82	2012134416	2015680907	MFG
12/25/99	12:52:03		82	2012134416	2015680907	MFG
12/25/99	12:50:48		82	2012134416	2015680907	MFG
12/25/99	12:48:15		82	2012134416	2015680907	MFG
12/25/99	12:47:16		82	2012134416	5680907	MFG
12/24/99	11:58:50		82	2012134416	8003328463	MFG
12/24/99	11:58:08		82	2012134416	8003328463	MFG
12/24/99	10:03:16		82	2012134416	9544289147	MFG
12/22/99	14:58:09		80	2012300764	19546467166	MFG
12/29/99	10:54:28		177	2012400657	19086881800	MFG
12/29/99	10:51:49		177	2012400657	9412503698	MFG
12/29/99	10:25:04		145	2012400657	12012400657	MFG
12/29/99	10:24:42		145	2012400657	12012400657	MFG
12/27/99	21:26:01		49	2012476225	15616551115	MFG
12/24/99	19:22:48		219	2012476225	15615551212	MFG
12/24/99	19:22:26		219	2012476225	15615551212	MFG
12/24/99	19:22:06		219	2012476225	15615551212	MFG
12/24/99	19:13:38		219	2012476225	5617950022	MFG
12/27/99	12:01:06		20	2012476225	15614996976	MFG
12/23/99	16:23:47		12	2012640686	3105152822	MFG
12/23/99	16:17:19		12	2012640686	3105152822	MFG
12/23/99	16:17:03		12	2012640686	3105152822	MFG

FIG. 6

```

>pg map1299
ECP,CellNo,Longitude,Latitude,Count
4,1,-80.1675,26.155278,148
3,5,-80.361111,25.699444,209
1,6,-80.171667,26.36,675
1,7,-80.114167,26.562778,173
1,8,-80.109722,26.760556,76
3,9,-80.317222,25.679444,311
3,10,-80.266667,25.747222,115
4,12,-80.29,26.183333,268
3,13,-80.422778,25.526111,164
4,15,-80.123056,25.854167,510
4,16,-80.198611,26.248889,401
1,18,-80.088889,26.45,380
1,20,-80.058611,26.651944,216
4,22,-80.210833,25.848611,138
4,23,-80.128889,26.085833,844
4,25,-80.288889,25.845556,55
1,26,-80.201111,26.630833,251
4,27,-80.204722,25.93,590
3,28,-80.360833,25.596667,255
3,29,-80.333889,25.649444,584
4,30,-80.415,26.086389,207
4,31,-80.175833,26.121944,128
1,37,-80.681389,26.686667,213
4,40,-80.364444,25.828333,156
4,42,-80.286944,25.920556,147
4,43,-80.168056,26.024722,333
3,46,-80.129167,25.793611,2694
3,47,-80.238611,25.811389,121
1,49,-80.051667,26.711944,381
4,50,-80.160556,25.908611,187
4,52,-80.26,26.121667,456
4,53,-80.105556,26.136389,501
3,54,-80.383333,25.653056,81
4,55,-80.249444,26.268333,314
3,56,-80.294722,25.703889,184
3,57,-80.315,25.808333,21
3,58,-80.265278,25.788333,267
4,60,-80.25,25.891667,205
4,61,-80.090833,26.230278,147
4,64,-80.211667,26.0175,595

```

FIG. 7

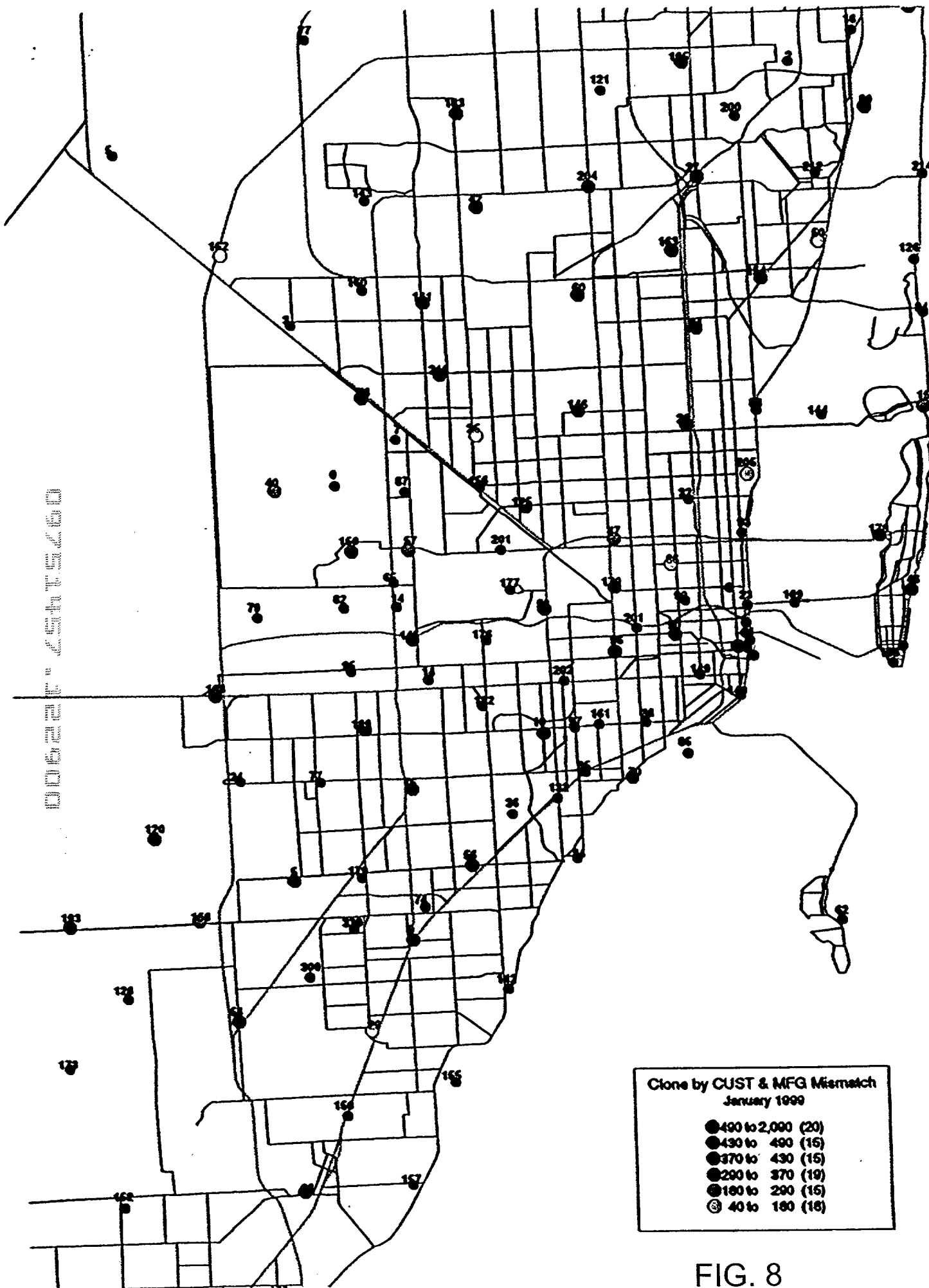


FIG. 8



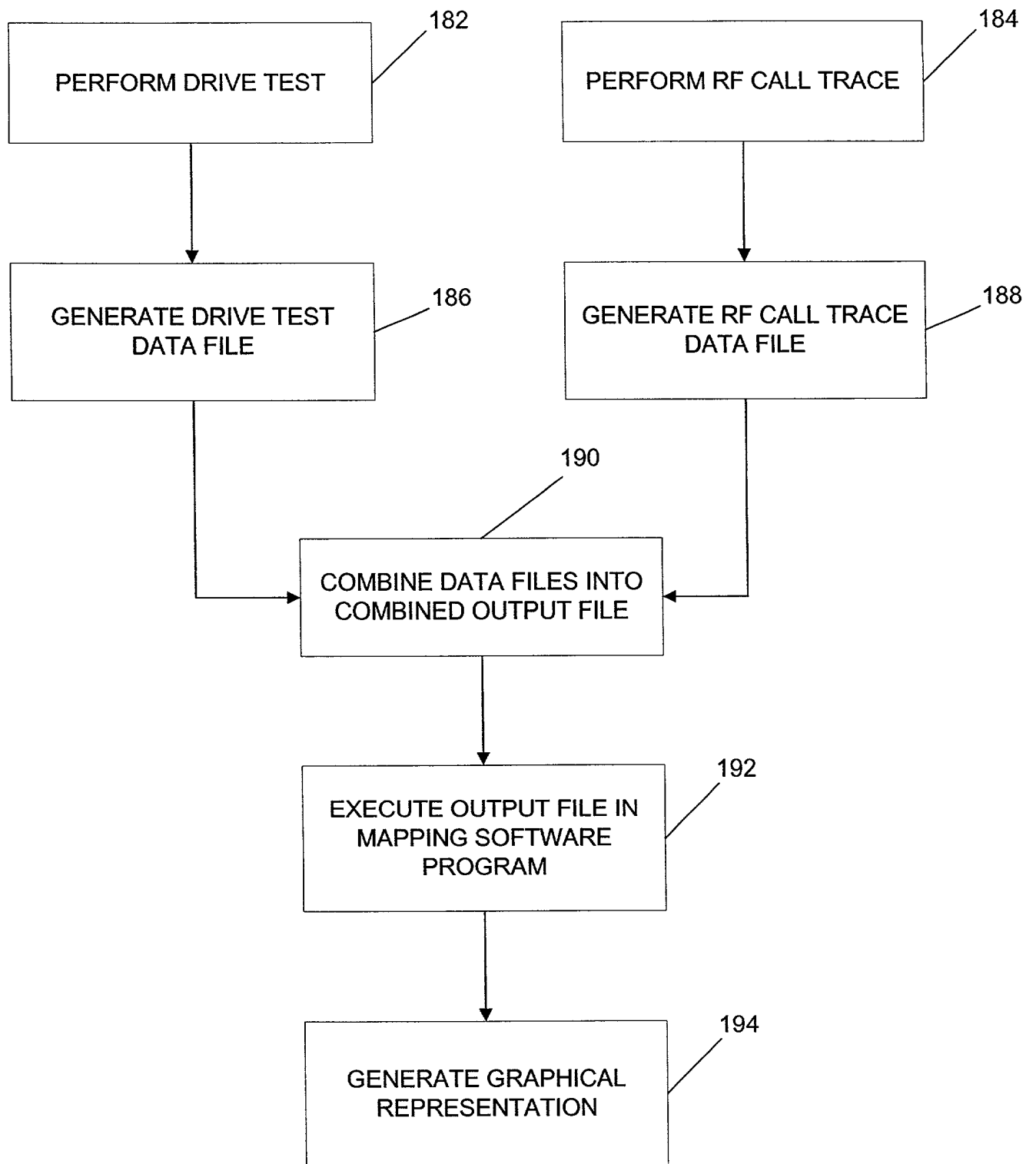


FIG. 9

SAMPLE Ericsson log

MOBILE TELEPHONY CELL TRAFFIC RECORDING  
DIGITAL SIGNAL STRENGTH MEASUREMENTS

MSNB	CELL	DEV	SSFVC	SSRVC
9412580201	T017C	MDVC-1060	23	20
SSSTDRVC	BERFVC	BERRVC	RBERRVC	FERRVC
6	3	2	2	0
BQRCV	TDRVC	FREQERR	TIMEALIGN	MSPOW
15	0	1	0	2
NCELL	NSSFFMC	MEASCHAN	VIND	
T017A	5	1260	Y	
T017B	23	1272	Y	
T006B	17	1300	Y	
T016B	13	1305	Y	
T004A	29	1251	Y	
T005B	33	1302	Y	
T005A	23	1290	Y	
T018A	21	1294	Y	
T154B	21	1303	Y	
TIME	PRINTIND	FCODE		
11:08:27	0			

END

HANDOFF  
MOBILE TELEPHONY CELL TRAFFIC RECORDING CANDIDATE LIST FOR

MSNB	CELL	TIME	FCODE	URGENCY
9412580201	T017C	11:08:27		0
CANDCELL	CELLTYPE	NTYPE	RATING	
T005B	0	STD		0

END

FIG. 10

FIG. 11A

FT

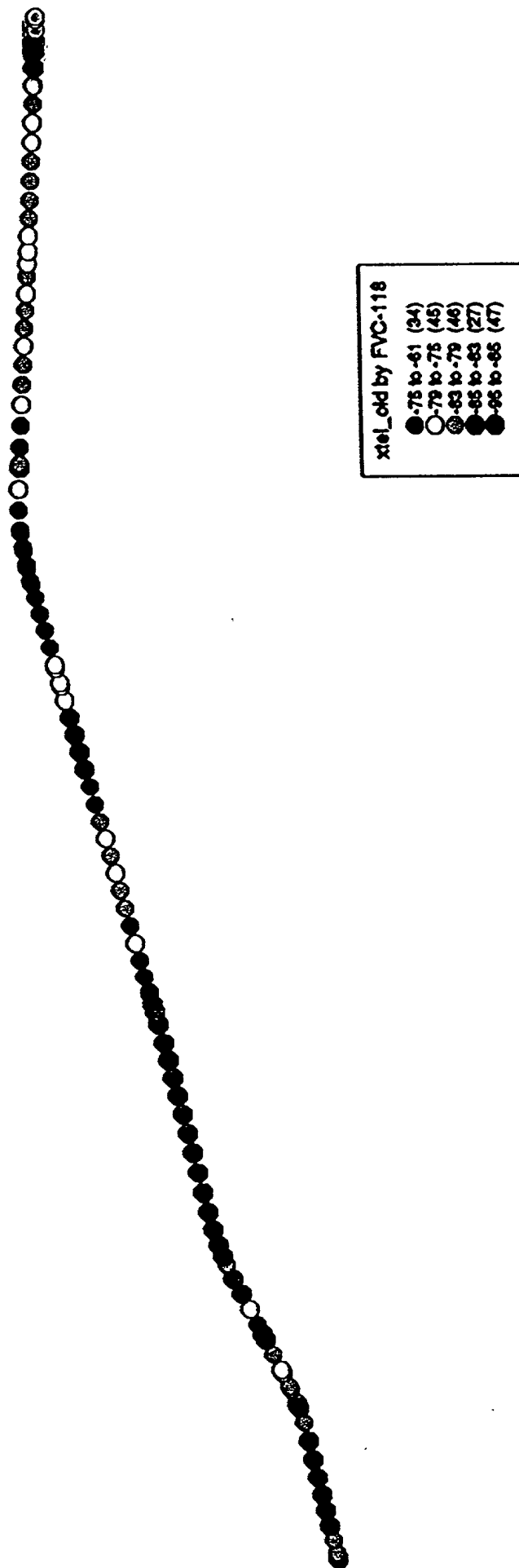
R, RBER, FER, BQ, TD, FREQ, TIME, MS, PRINT  
DEV, FVC, RVC, TDRVC, FVC, RVC, RVC, RVC, RVC, RVC, ERR, ALIG

28.0069725,9412580201,T017C,MDVC-  
15,0,1,0,2,0  
28.0069725,9412580201,T017C,MDVC-  
15,0,1,0,2,0  
28.0069856,9412580201,T017C,MDVC-  
15,0,2,0,2,1  
28.0069856,9412580201,T017C,MDVC-  
15,0,2,0,2,1  
28.0070392,9412580201,T005B,MDVC-  
2,0,4,0,2,1  
28.0072014,9412580201,T005B,MDVC-  
7,0,4,0,2,1  
28.0072014,9412580201,T005B,MDVC-  
7,0,4,0,2,1  
28.0073900,9412580201,T005B,MDVC-  
8,0,3,0,2,1  
28.0073900,9412580201,T005B,MDVC-  
8,0,3,0,2,1  
28.0075761,9412580201,T005B,MDVC-  
7,0,5,0,2,1  
28.0075761,9412580201,T005B,MDVC-  
7,0,5,0,2,1  
992,9412580201,T005B

FIG. 11B

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in YEA medium at 28°C for 24 h. The cell concentration of the strains was adjusted to 10<sup>8</sup> cells/ml. The cell suspension was mixed with the plant tissue and the transformation efficiency was determined. The results are shown as the mean ± SD of three independent experiments. The data were analyzed by one-way ANOVA. The differences between the strains were significant at the 0.05 level.

FIG. 12



.....

```

13:20:00.8,26.677,-81.567
13:20:01.2,25.230,-81.456
.....
.....
.....
.....
13.21.00.3,28.655,-81.2128

```

[illegible]

FIG. 13A

Time, Long, Lat, CellNo, SS,  
12:41:29, 28.6559300, -81.205792000, 1353, -124  
12:41:29, 28.6559300, -81.205792000, 201, -106  
12:41:29, 28.6559300, -81.205792000, 32, -106  
12:41:29, 28.6559300, -81.205792000, 321, -76  
12:41:29, 28.6559300, -81.205792000, 323, -66  
12:41:29, 28.6559300, -81.205792000, 831, -100  
12:41:30, 28.6559260, -81.205580000, 323, -66  
12:41:31, 28.6559170, -81.205380000, 321, -75  
12:41:31, 28.6559170, -81.205380000, 321, -75  
12:41:31, 28.6559170, -81.205380000, 323, -64  
12:41:32, 28.6559080, -81.205198000, 323, -63  
12:41:33, 28.6558950, -81.204922000, 321, -73  
12:41:33, 28.6558950, -81.204922000, 323, -62  
12:41:34, 28.6558900, -81.204769000, 321, -73  
12:41:34, 28.6558900, -81.204769000, 321, -73  
12:41:34, 28.6558900, -81.204769000, 322, -98  
12:41:34, 28.6558900, -81.204769000, 323, -61  
12:41:35, 28.6558900, -81.204577000, 1353, -124  
12:41:35, 28.6558900, -81.204577000, 201, -105  
12:41:35, 28.6558900, -81.204577000, 202, -106  
12:41:35, 28.6558900, -81.204577000, 32, -105  
12:41:35, 28.6558900, -81.204577000, 323, -63  
12:41:35, 28.6558900, -81.204577000, 831, -99  
12:41:37, 28.6558970, -81.204219000, 321, -73  
12:41:37, 28.6558970, -81.204219000, 323, -67  
12:41:38, 28.6559000, -81.204044000, 321, -74  
12:41:38, 28.6559000, -81.204044000, 323, -67  
12:41:38, 28.6559000, -81.204044000, 321, -74  
12:41:38, 28.6559000, -81.204044000, 323, -67  
12:41:40, 28.6559020, -81.203683000, 1353, -122  
12:41:40, 28.6559020, -81.203683000, 202, -104  
12:41:40, 28.6559020, -81.203683000, 32, -105  
12:41:40, 28.6559020, -81.203683000, 321, -73  
12:41:40, 28.6559020, -81.203683000, 322, -96  
12:41:40, 28.6559020, -81.203683000, 323, -67  
12:41:41, 28.6559070, -81.203457000, 321, -72  
12:41:41, 28.6559070, -81.203457000, 323, -66  
12:41:42, 28.6559100, -81.203125000, 321, -71  
12:41:42, 28.6559100, -81.203125000, 323, -66

FIG. 13B

00622T "125450

```

V----- Record # 1: -----V
05/10/99 13:22:05 ALM INF 4103 7 32 G TC 457
Call Monitor: Call Record has been Written in RAM disk
Ph#: (407)9223002 Call clear by MS - mobile clear
V----- Record # 2: -----V
05/10/99 13:22:04 ALM INF 4113 7 32 G TC 457
Call Monitor: Call RSSI value
(407)9223002 cell 323 rrssi -77 attn 4 snr 40
V----- Record # 3: -----V
05/10/99 13:22:04 ALM INF 4117 7 32 G SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 323 / -73
V----- Record # 264: -----V
05/10/99 13:21:00 ALM INF 4117 7 20 A SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 201 / -98
V----- Record # 265: -----V
05/10/99 13:21:00 ALM INF 4117 7 32 B SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 322 / -103
V----- Record # 266: -----V
05/10/99 13:21:00 ALM INF 4117 7 83 A SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 831 / -96
V----- Record # 267: -----V
05/10/99 13:21:00 ALM INF 4117 7 32 A SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 321 / -78
V----- Record # 268: -----V
05/10/99 13:21:00 ALM INF 4117 7 135 G SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 1353 / -113
V----- Record # 269: -----V
05/10/99 13:21:00 ALM INF 4117 7 20 B SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 202 / -100
V----- Record # 270: -----V
05/10/99 13:21:00 ALM INF 4113 7 32 G TC 457
Call Monitor: Call RSSI value
(407)9223002 cell 323 rrssi -72 attn 4 snr 40
V----- Record # 271: -----V
05/10/99 13:21:00 ALM INF 4117 7 32 G SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 323 / -71
V----- Record # 272: -----V
05/10/99 13:21:00 ALM INF 4117 7 3 B SRC
Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
(407)9223002 Cell_id/RSSI: 32 / -115

```

FIG. 14



00528" 45th E 60

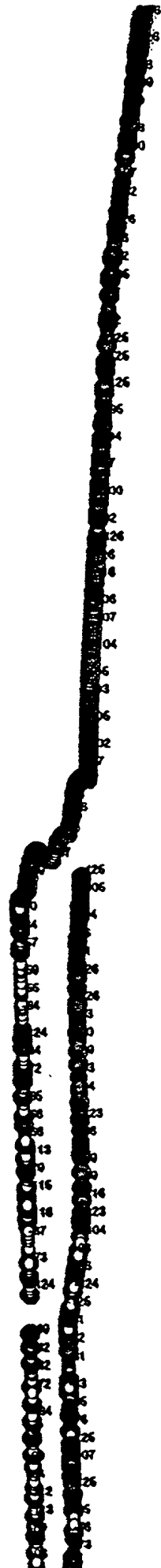


FIG. 15

